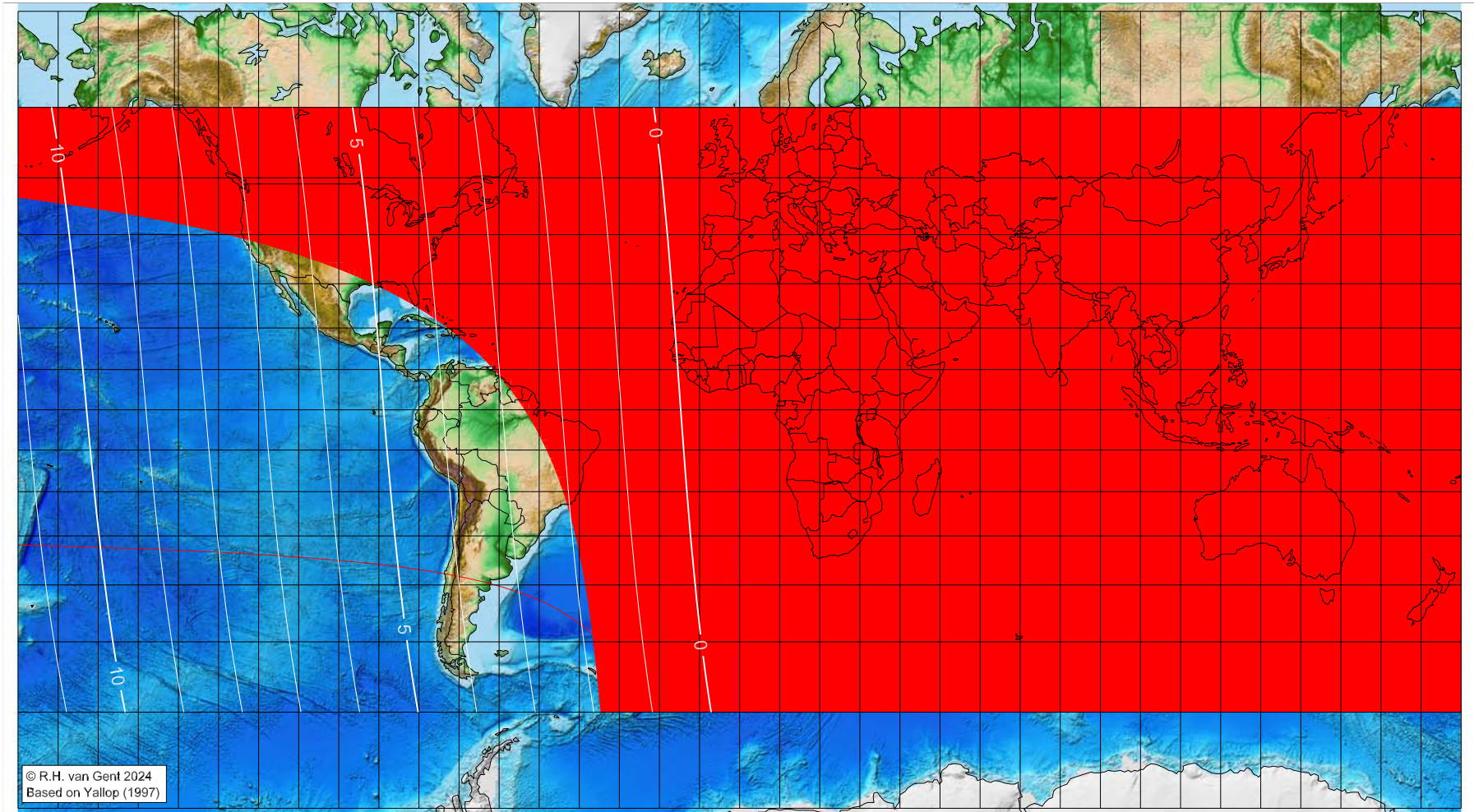# First visibility lunar crescent for Rabīʿ al-Ākhir 1446 AH

Global visibility map for 2 October 2024 [Wednesday]
Day of luni-solar conjunction

© R.H. van Gent 2024
Based on Yallop (1997)

Astronomical New Moon: 2 October 2024, 18h 49.3m (UTC)

First visibility (●)

Longitude (°)	Latitude (°)	Lunar age (h)
not visible until the next evening		
not visible until the next evening		
not visible until the next evening		
not visible until the next evening		
not visible until the next evening		

Astronomical (Brown) Lunation Number = 1259
Islamic Lunation Number = 17344
TT – UT [= ΔT] = 1.2 min

Lunar age (in hours) is given for the 'best time', defined as the moment 4/9ths between sunset and moonset

- 🟩 A – easily visible to the unaided eye
- 🟩 B – visible under perfect atmospheric conditions
- 🟩 C – visible to the unaided eye after found with optical aid
- 🟨 D – only visible with binoculars or conventional telescopes
- 🟧 E – not visible with conventional telescopes
- ⬜ F – below Danjon limit (7°)

- 🟥 moonset before sunset
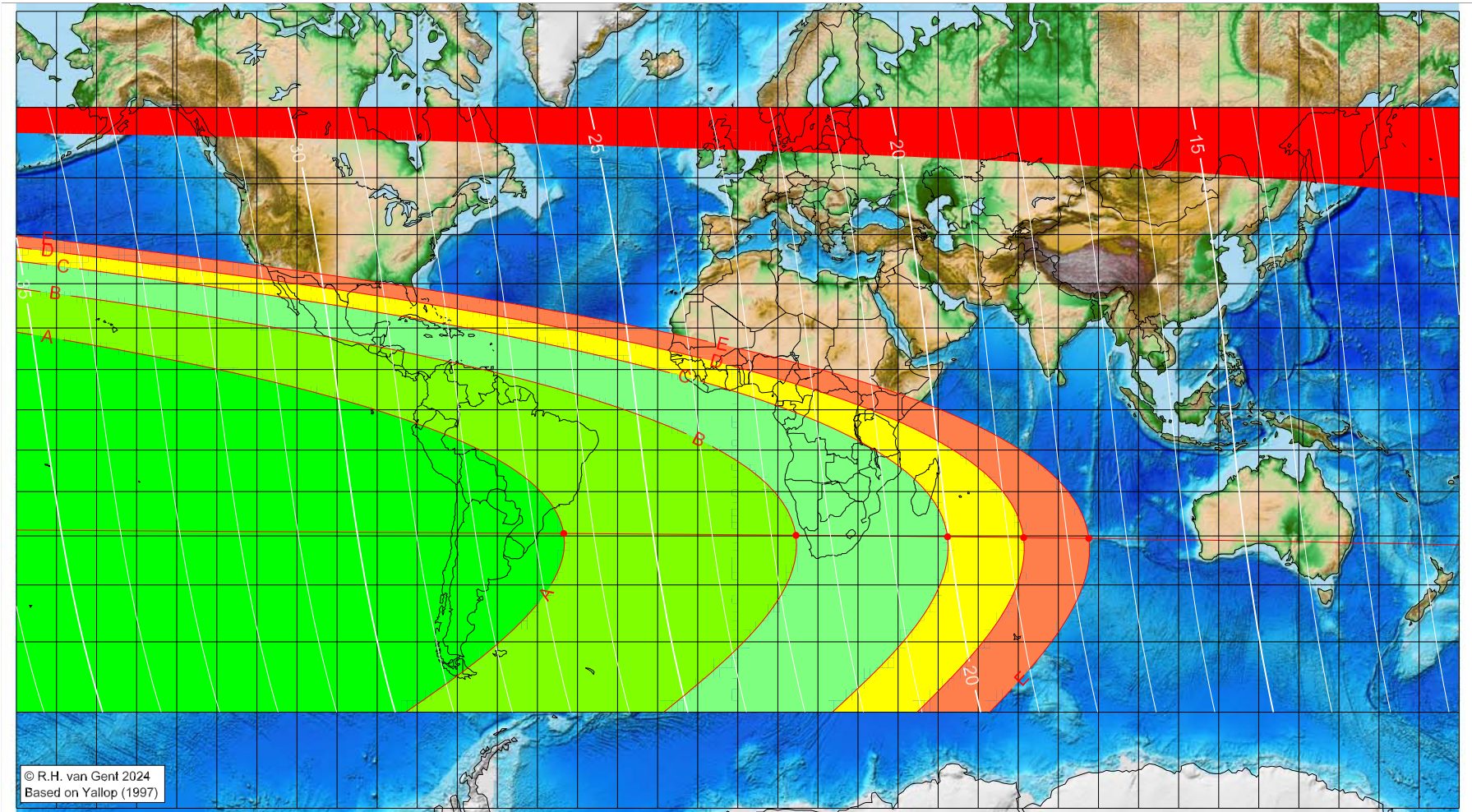- 🟪 before conjunction (astronomical new moon)

More info: https://webspace.science.uu.nl/~gent0113/

First visibility lunar crescent for Rabī' al-Ākhir 1446 AH

Global visibility map for 3 October 2024 [Thursday]
Day after luni-solar conjunction

© R.H. van Gent 2024
Based on Yallop (1997)

Astronomical New Moon: 2 October 2024, 18h 49.3m (UTC)

	First visibility (●)		
	Longitude (°)	Latitude (°)	Lunar age (h)
A – easily visible to the unaided eye	-43.44	-29.47	26.51
B – visible under perfect atmospheric conditions	14.52	-29.87	22.58
C – visible to the unaided eye after found with optical aid	52.35	-30.18	20.02
D – only visible with binoculars or conventional telescopes	71.33	-30.36	18.74
E – not visible with conventional telescopes	87.60	-30.53	17.64
F – below Danjon limit (7°)			

■ moonset before sunset   ■ before conjunction (astronomical new moon)

Astronomical (Brown) Lunation Number = 1259
Islamic Lunation Number = 17344
TT − UT [= ΔT] = 1.2 min

Lunar age (in hours) is given for the 'best time',
defined as the moment 4/9ths between sunset
and moonset

More info: https://webspace.science.uu.nl/~gent0113/

First visibility lunar crescent for Rabīʿ al-Ākhir 1446 AH

Global visibility map for 4 October 2024 [Friday]

Second day after luni-solar conjunction
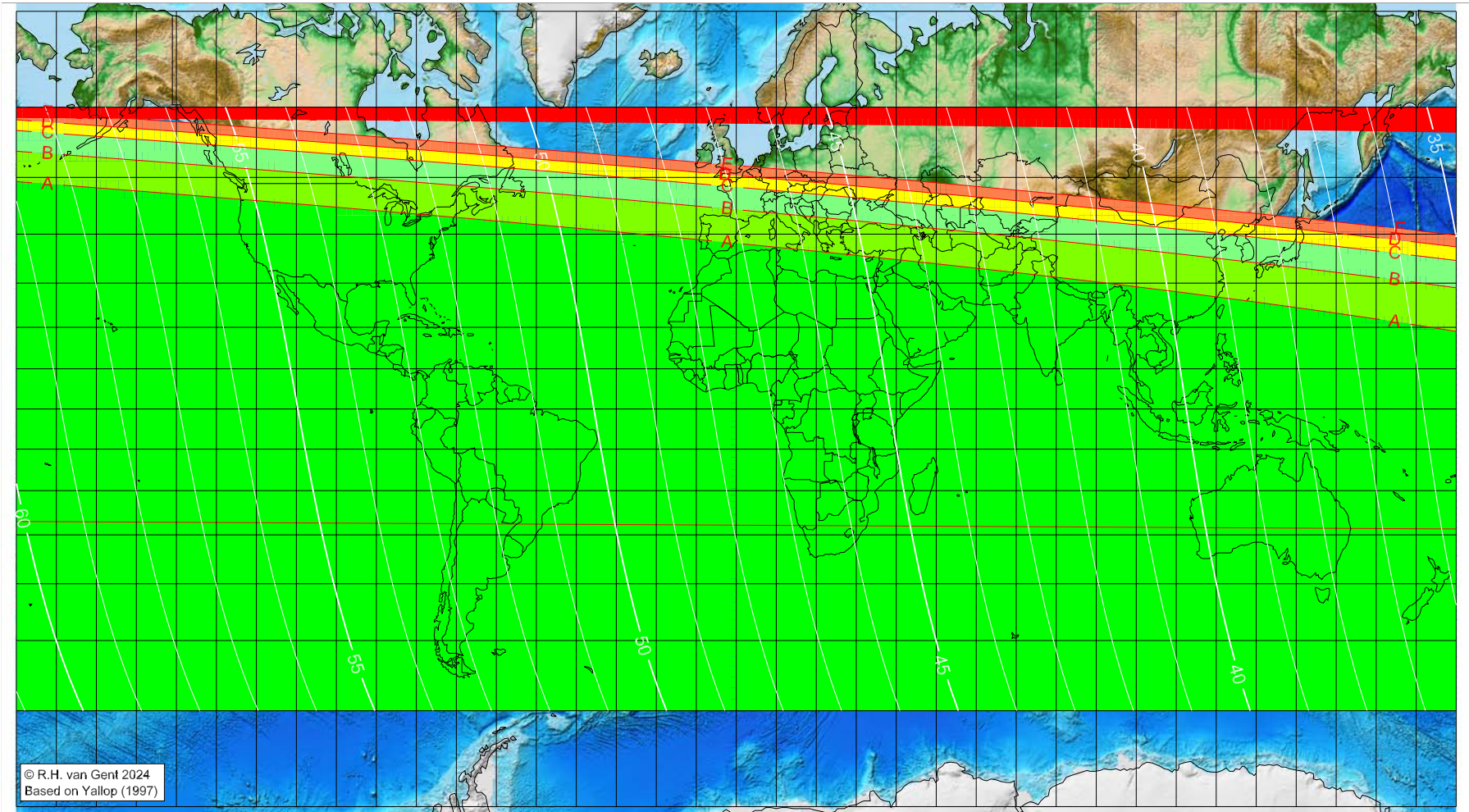
Astronomical New Moon: 2 October 2024, 18h 49.3m (UTC)

A – easily visible to the unaided eye
B – visible under perfect atmospheric conditions
C – visible to the unaided eye after found with optical aid
D – only visible with binoculars or conventional telescopes
E – not visible with conventional telescopes
F – below Danjon limit (7°)

moonset before sunset   before conjunction (astronomical new moon)

Astronomical (Brown) Lunation Number = 1259
Islamic Lunation Number = 17344
TT – UT [= ΔT] = 1.2 min

Lunar age (in hours) is given for the 'best time', defined as the moment 4/9ths between sunset and moonset

More info: https://webspace.science.uu.nl/~gent0113/